SEQUENCE LISTING
(1) GENERAL INFORMATION:
    (i) APPLICANT: Perkin-Elmer Corporation,
                Applied Biosystems Division
    (ii) TITLE OF INVENTION: HYBRIDIZATION ASSAY USING SELF-
QUENCHING FLUORESCENCE PROBE
    (iii) NUMBER OF SEQUENCES: 14
    (iv) CORRESPONDENCE ADDRESS:
     (A) ADDRESSEE: David J. Weitz,
              Haynes & Davis
     (B) STREET: 2180 Sand Hill Road, Suite 310
     (C) CITY: Menlo Park
     (D) STATE: California
     (E) COUNTRY: USA
     (F) ZIP: 94025-6935

    (v) COMPUTER READABLE FORM:
     (A) MEDIUM TYPE: 3.5 inch diskette
     (B) COMPUTER: IBM compatible
     (C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0
     (D) SOFTWARE: Wordperfect for windows 6.0,
              ASCII (DOS) TEXT format

    (vi) CURRENT APPLICATION DATA:
     (A) APPLICATION NUMBER:
     (B) FILING DATE:
     (C) CLASSIFICATION:

    (vii) PRIOR APPLICATION DATA:
     (A) APPLICATION NUMBER: 08/340,558
     (B) FILING DATE: 16-NOV-94

    (viii) ATTORNEY/AGENT INFORMATION:
     (A) NAME: David J. Weitz
     (B) REGISTRATION NUMBER: 38,362
     (C) REFERENCE/DOCKET NUMBER: PELM4264CIP2

    (ix) TELECOMMUNICATION INFORMATION:
     (A) TELEPHONE: (415) 233-0188
     (B) TELEFAX: (415) 233-1129

(2) INFORMATION FOR SEQ ID NO: 1:
    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 24 nucleotides

```
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS:  single
          (D) TOPOLOGY:  linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
ACCCACAGGA  ACTGATCACC  ACTC                24


(2) INFORMATION FOR SEQ ID NO: 2:
      (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 26 nucleotides
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS:  single
          (D) TOPOLOGY:  linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
ATGTCGCGTT  CCGGCTGACG  TTCTGC              26


(2) INFORMATION FOR SEQ ID NO: 3:
      (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 27 nucleotides
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS:  single
          (D) TOPOLOGY:  linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
TCGCATTACT  GATCGTTGCC  AACCAGT             27


(2) INFORMATION FOR SEQ ID NO:  4
      (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 31 nucleotides
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS:  single
          (D) TOPOLOGY:  linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  4
GTACTGGTTG  GCAACGATCA  GTAATGCGAT  G              31


(2) INFORMATION FOR SEQ ID NO:  5
      (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 28 nucleotides
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS:  single
          (D) TOPOLOGY:  linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  5
   CGGATTTGCT  GGTATCTATG  ACAAGGAT              28


(2) INFORMATION FOR SEQ ID NO:  6
```

```
        (i) SEQUENCE CHARACTERISTICS:
         (A) LENGTH: 31 nucleotides
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS:  single
         (D) TOPOLOGY:  linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  6
TTCATCCTTG  TCATAGATAC  CAGCAAATCC  G                31


(2) INFORMATION FOR SEQ ID NO:  7
        (i) SEQUENCE CHARACTERISTICS:
         (A) LENGTH: 25  nucleotides
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS:  single
         (D) TOPOLOGY:  linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  7
TCACCCACAC  TGTGCCCATC  TACGA              25


(2) INFORMATION FOR SEQ ID NO:  8
        (i) SEQUENCE CHARACTERISTICS:
         (A) LENGTH: 25 nucleotides
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS:  single
         (D) TOPOLOGY:  linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  8
CAGCGGAACC  GCTCATTGCC  AATGG              25


(2) INFORMATION FOR SEQ ID NO:  9
        (i) SEQUENCE CHARACTERISTICS:
         (A) LENGTH: 26 nucleotides
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS:  single
         (D) TOPOLOGY:  linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  9
ATGCCCTCCC  CCATGCCATC  CTGCGT             26


(2) INFORMATION FOR SEQ ID NO:  10
        (i) SEQUENCE CHARACTERISTICS:
         (A) LENGTH: 30 nucleotides
         (B)  TYPE: nucleic acid
         (C) STRANDEDNESS:  single
         (D) TOPOLOGY:  linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  10
AGACGCAGGA  TGGCATGGGG  GAGGGCATAC             30
```

(2) INFORMATION FOR SEQ ID NO: 11
    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 24 nucleotides
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11
CGCCCTGGAC TTCGAGCAAG AGAT   24

(2) INFORMATION FOR SEQ ID NO: 12
    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 28 nucleotides
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12
CCATCTCTTG CTCGAAGTCC AGGGCGAC   28

(2) INFORMATION FOR SEQ ID NO: 13
    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 21 nucleotides
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13
CAAGCTTCCC GTTCTCAGCC T   21

(2) INFORMATION FOR SEQ ID NO: 14
    (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 30 nucleotides
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14
ACCGTCAAGG CTGAGAACGG GAAGCTTGTC   30